

BIRCH, STEWART, KOLASCH & BIRCH, LLP

INTELLECTUAL PROPERTY LAW 8110 GATEHOUSE ROAD SUITE 100 EAST FALLS CHURCH, VA 22042-1248 U S A

> (703) 205-8000 FAX: (703) 205-8050 (703) 698-8590 (G IV)

e-mail: mailroom@bskb.com web: http://www.bskb.com

CALIFORNIA OFFICES: CARLSBAD, CALIFORNIA COSTA MESA, CALIFORNIA LOS ANGELES, CALIFORNIA SENIOR COUNSEL: JOSEPH A. KOLASCH

JOSEPH A. KOLASCH

SCOTT L. LOWE
PAUL C. LEWIS
RICHARD GALLAGHER
MARYANNE ARMSTRONG, Ph.D.
KECIA J. REYNOLDS
KALPANA REDDY
ESTHER H. CHONG
CATHERINE M. VOISINET'
EUGENE T. PEREZ
CAROLYN T. BAUMGARDNER'
MARTIN R. GEISSLER'
J. ALISON GRABELL'
T. BENJAMIN SCHROEDER, PH.D.
PERCY L. SQUARE
HYUNG N. SOHN
CLINT A. GERDINE
CRAIG A. MCROBBIE
WILLIAM F. NIXON'
DANIEL K. DORSEY
MATTHEW T. SHANLEY

PEG. PATENT AGENTS:

REG. PATENT AGENTS:
FREDERICK R. HANDREN
MAXI HATSUMI
GARTH M. DAHLEN, PH.D.
ROBERT E. GOOZNER, PH.D.
KRISTI L. RUPERT, PH.D.
SUSAN W. GORMAN, PH.D.
ROBERT W. DOWNS
CHAD J. BILLINGS
CHRISTINE V. CASTILLO
CARL T. THOMSEN
JASON W. RHODES
SAM BHATTACHARYA
BRADLEY C. FACH

Date: September 22, 2003 BRADLEYC. FACH

Docket No.: 0630-1844P

MERRELL C. BIRCH
RAYMOND C. STEWART
JAMES M. SLATTERY
MICHAEL K. MUTTER
CHARLES GORENSTEIN
GERALD M. MURPHY, JR.
LEONARD R. SVENSSON
ANDREW D. MEIKLE
MARC S. WEINER
JOE MCKINNEY MUNCY
ROBERT J. KENNEY
JOHN W. BAILEY
MARK J. NUELL. PH. D.
JAMES T. ELLER, JR.
D. RICHARD ANDERSON
THOMAS M. SMALL'
ROBERT A. SELDON'
JOHN A. SCILLIERI'
SANFORD ASTOR'

OF COUNSEL:
HERBERT M. BIRCH (1905-1996)
BERNARD L. SWEENEY*
ELLIOT A. GOLDBERG*
WILLIAM L. GATES*
EDWARD H. VALANCE
RUPERT J. BRADY (RET.)*
F. PRINCE BUTLER
FRED S. WHISENHUNT (RET.)
JAMES W. HELLWEGE
QUEST F. GNUSE
DAVID R. MURPHY
ROBERT M. ASHEN*
MICHAEL R. CAMMARATA

*ADMITTED TO A BAR OTHER THAN VA.

MS PATENT APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): HAN, Jung-Il

For: FAST FOURIER TRANSFORM DEVICE

Enclosed are:

- \boxtimes A specification consisting of SIXTEEN (16) pages
- SEVEN (7) sheet(s) formal drawings
- An assignment of the invention
- Applicant claims small entity status under 37 C.F.R. § 1.27
- ☐ Applicant does not claim priority

	Applicant claims the right of priority under 35 U.S.C. § 119 based on Application No(s). 10-2002-0061908 filed in KOREA on October 10, 2002. Certified copy(ies) is(are) attached hereto. Certified copy(ies) will follow.					
\boxtimes	Executed Declaration (Original Photocopy)					
	Application Data Sheet in accordance with 37 C.F.R. § 1.76					
\boxtimes	Preliminary Amendment					
	Information Disclosure Statement, PTO-1449 and reference(s)					
	Other:					
	Applicant requests early publication - \$300.00 publication fee					
	Non-publication Request and Certification under 35 U.S.C. § 122(b)(2)(B)(i)					

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
	BASIC FEE		\$750.00	\$375.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
TOTAL	12- 20 =	0	X 18 = \$0.00	x 9 = \$0.00
INDEPENDENT CLAIMS	2- 3 =	0	x 84 = \$0.00	x 42 = \$0.00
MULTIPLE DEPENDENT CLAIMS PRESENTED			+ \$280.00	+ \$140.00
		TOTAL	\$750.00	\$0.00

A check in the amount of \$790.00 to cover the filing fee and recording fee (if applicable) is enclosed.

Docket No. 0630-1844P

- Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.
- □ Please send correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 02292 P.O. Box 747 Falls Church, VA 22040-0747 (703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By <u>(James T. Eller,</u>

£., #39,538

P.O. Box 747

Falls Church, VA 22040-0747

(703) 205-8000

JTE/sll 0630-1844P

Attachment(s)

(Rev. 08/21/03)